

Monitoring reference electrode of pH measuring chain esp. variations of diaphragm between reference electrolyte and measurement solution

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Abstract of DE 19539763 (A1)

The method involves measuring the total impedance containing the impedance of the measurement solution (2), between a first auxiliary electrode (18) in the solution (2) and the reference electrode (7).

The impedance of the solution (2) between the first auxiliary electrode (18) and a second auxiliary electrode (19) in the solution (2) is also measured. The true impedance of the reference electrode (7), unaffected by the solution (2), is derived by subtracting the measured impedance of the solution (2) from the measured total impedance, taking into account the distance between the two auxiliary electrodes and the reference electrode (7).

